

MOHAMMED ASHRAF

Junior Data Analyst

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Summary

Detail-oriented Communications & Electronics Engineering student and DEPI Data Analysis Scholar. Demonstrated expertise in end-to-end data processing, database querying, and business intelligence dashboard creation using SQL, Power BI, and Excel. Adept at combining hardware logic, problem-solving skills, and data visualization to translate complex technical concepts and raw datasets into structured, actionable business insights

Education

Bachelor of Science in Communications and Electronics Engineering, 2024 – 2029
Institute of Aviation Engineering and Technology (IAET) Giza, Egypt
Grade: Excellent (All Years)

Junior Data Analyst Scholar | Data Analysis Track, 2026
Digital Egypt Pioneers Initiative (DEPI)

- Completed professional training focused on practical data manipulation, ETL processes, dynamic visualization, and analytical reporting
- Mastered advanced workflows in Power Query, Power Pivot, SQL query optimization, and executive Power BI reporting

Skills

Data Analysis & BI Data Visualization Power BI Interactive Dashboards Data Analytics Data Modeling	Database & Querying SQL MySQL SQLite Data Cleaning Power Query Data Transformation
Software & Tools Microsoft Excel Power Pivot Advanced Formulas Microsoft Office Suite Python C C#	Core Competencies Problem Solving Electronics Engineering Principles Technical Translation Responsiveness

Projects

Executive Analytics & BI Dashboards

- Performed data extraction, cleaning, and relational modeling across multi-table datasets using SQL and Power Query
- Built dynamic interactive dashboards in Microsoft Power BI and Excel, visualizing Key Performance Indicators (KPIs) to drive data-driven decision-making

Autonomous Hardware Control & Sensor Integration System

- Designed and programmed an Arduino-based autonomous robotic platform featuring ultrasonic sensor logic and dual motor drivers
- Implemented real-time decision-making algorithms and Bluetooth communication protocols for remote diagnostics and control